

CLAIMS:

1. A data analyzing system for extracting characteristic concepts from the data, comprising:

(1) means for extracting categorized concepts from the data containing text data; and

(2) means for extracting unique concepts from said categorized concepts extracted from the data, wherein said unique concepts are conspicuous within the same content category, the rate occupied by said concepts among the concepts belonging to other corresponding categories exceeding a default.

2. The system according to claim 1 wherein said means for extracting concepts (1) comprises the means for:

morphologically analyzing said the textual part of the data;

based on the results of said morphological analysis, generating clauses of said document data;

extracting any key word in said clauses as concepts, applying a category dictionary to said clauses to assign concepts (a replacement expression having a representative meaning of the key word) and a category to a key word therein;

analyzing the syntax of a sentence comprising said clauses according to the syntactic tree generation rules; regarding the key words in said clauses to which concepts and a category were assigned, extracting mutually dependent relationships of the key words in the same sentence; and

extracting said categorized concepts, namely based on said mutually dependent relationships among the key words, extracting combinations of the categories of the concepts in mutually dependent relationships.

3. The system according to claim 1 wherein said means for extracting unique concepts (2) comprises the means for:

receiving an instruction of a user (means for inputting);

analyzing said instruction of a user; and

in compliance with said analyzed instruction, presenting said categorized concepts to display with an attribute different from any other concept, of the concepts belonging to the same category, a concept whose statistical characteristic is distinguished beyond a threshold with respect to the set which it belongs.

4. The system according to claim 3 wherein said means for extracting unique concepts (2) further comprises the means for:

calculating the relative frequency of extracted concepts;

searching for concepts from a set of the extracted concepts;

calculating the frequency of categorized concepts; and displaying said relative frequency, search results and frequency of concepts that were acquired.

5. A method for extracting unique concepts from data

comprising the phases of:

morphologically analyzing the textual part of the data;
based on the results of said morphological analysis,
generating clauses of said document data;

applying a category dictionary to said clauses to
assign concepts (a replacement expression having a
representative meaning of the key word) and a category to a
key word therein;

generating a syntactic tree of a sentence comprising
said clauses according to the syntactic tree generation
rules;

regarding the key words in said clauses to which a
category was assigned, extracting mutually dependent
relationships of the key words in the same sentence; and

based on said mutually dependent relationships among
the key words, extracting combinations of the categories of
the concepts in mutually dependent relationships.

6. A computer-readable record medium recording a program
for extracting unique concepts from data, said program
including the computer implemented functions of:

morphologically analyzing the textual part of the data;
based on the results of said morphological analysis,
generating clauses of said document data;

applying a category dictionary to said clauses to
assign concepts (a replacement expression having a
representative meaning of the key word) and a category to a
key word therein;

generating a syntactic tree of a sentence comprising

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said clauses according to the syntactic tree generation rules;

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regarding the key words in said clauses to which a category was assigned, extracting mutually dependent relationships of the key words in the same sentence; and

based on said mutually dependent relationships among the key words, extracting combinations of the categories of the concepts in mutually dependent relationships.